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GRAYCARY

4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
www.graycary.com
O] 858-677-1456
F] 858-677-1465

December 31, 2003

ATTORNEY DOCKET NO.: MMI1150

22154 U.S.PTO
10/750622

Mail Stop PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new provisional-to-utility conversion patent application of:

APPLICANTS : Sue K. DeNise, Paul Charteris, David Rosenfeld, Tom Holm and Stephen Bates

TITLE : COMPOSITIONS, METHODS AND SYSTEMS FOR INFERRING BOVINE BREED

Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

Number of Pages

Cover Sheet	1
Specification	49
Claims	8
Abstract	1
Declaration – (Unsigned)	4
Drawing Sheets – (Formal)	0

CERTIFICATION UNDER 37 CFR §1.10 "EXPRESS MAIL" Mailing Label Number: <u>EV 318 740 345 US</u> Date of Deposit: December 31, 2003	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop CONVERSION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
<u>JASON BERRY</u> (Name of Person Mailing Paper)	
<u><i>Jason Berry</i></u> (Signature)	December 31, 2003 (Date)

SILICON VALLEY SAN DIEGO SAN FRANCISCO AUSTIN SEATTLE SACRAMENTO LA JOLLA WASHINGTON, DC

GRAY CARY WARE & FREIDENRICH LLP

ATTORNEY DOCKET NO.: MMI1150

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This request includes Three (3) sheets and the following:

- Application Data Sheet (4 pages);
- Statement Under 37 CFR 1.821(f) (1 page)
- Statement Under 37 CFR 1.821(f) and (g)
- Two (2) CFR disks for Sequence Listing (includes duplicate)
- Two (2) CFR disks for Tables (includes duplicate); and
- Return Receipt Postcard.

This application is a provisional-to-utility application and claims the benefit under 35 USC § 119(e) of U.S. Application Serial Nos. 60/437,482 filed December 31, 2002. The disclosure of the prior application is considered part of and is incorporated by reference in the disclosure of this application.

The filing fee has been calculated as shown below: **SMALL ENTITY** status is claimed.

	Number Filed		Number Extra	Rate			Fee				
				Small Entity	Large Entity		Small Entity	Large Entity			
Total Claims	55-20	=	35	\$09	\$18	=	\$315.00	\$0.00			
Independent Claims	10-3	=	7	\$43	\$86	=	\$301.00	\$0.00			
Multiple Dependent Claims Presented:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			\$145	\$290		\$0.00	\$0.00			
BASIC FILING FEE							\$385.00	\$770.00			
SURCHARGE FEE							\$ 65.00	\$130.00			
TOTAL FEE							\$1066.00				

PLEASE DEFER THE PAYMENT OF THE FILING FEE until the executed Declaration is filed. Please apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above.

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

GRAY CARY WARE & FREIDENRICH LLP
ATTORNEY DOCKET NO.: MMII1150
Mail Stop PATENT APPLICATION
December 31, 2003
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All future correspondence should be addressed to:

Lisa A. Haile, J.D., Ph.D.
GRAY CARY WARE & FREIDENRICH LLP
4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
Telephone: (858) 677-1456
Facsimile: (858) 677-1465

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP

December 31, 2003

Date


Lisa A. Haile, J.D., Ph.D.
Registration No. 38,347
Telephone: (858) 677-1456
Facsimile: (858) 577-1465

USPTO CUSTOMER NUMBER 28213

LAH/EJV:ag
Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DeNise, *et al.* Art Unit: Unknown
Application No.: To be assigned Examiner: Unknown
Filed: Herewith
Title: COMPOSITIONS, METHODS, AND SYSTEMS FOR INFERRING
BOVINE BREED

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P.O. Box 1450
Alexandria, VA 22313-1450

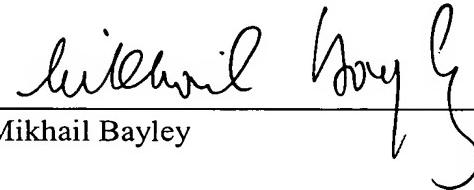
VERIFIED STATEMENT UNDER 37 C.F.R. § 1.821(f)

Sir:

I, Mikhail Bayley, declare that I personally prepared the CD copies of the Sequence Listing filed herewith in the above-entitled case and that the content of both is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: December 31, 2003


Mikhail Bayley

GRAY CARY WARE & FREIDENRICH LLP
4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
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JASON BERRY
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